



Activity 6 System Integration and Validation

Coordinator: Sistemi Territoriali SpA
Duration: 16 months

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General Objectives

- Final integration of the RIS pilot System and its validation
- Verification of functional integration, interoperability and impact of the RIS System in the NIWS
- Further definition of recommendations/guidelines for full implementation of RIS system along the Po River

Sub-activities

Sub Act 6.1 Acceptance Tests - Integration Tests

- verification of the functionality of the system
- verification of the sub-system integration

Sub Act 6.2 System Validation:

- Verification of effectiveness of the RIS prototype
- Evaluation of the impact of the RIS System on the NIWS

Sub Act 6.1 Acceptance Tests

Based on the results of FAT and SAT developed in activity 5, a specific plan of integration and Final Acceptance Test will be carried out with the aim to:

- Test the RIS components for the technical evaluation
- Test the RIS System integration
- Test the exchange of information with the RIS ship simulator
- Integration tests for the interoperability with other external/future systems (LOGIS, SIMNAV/STIM, ecc.)
- Test the systems on board the barges

Sub Act 6.2 System Validation

- The evaluation of the effectiveness of the RIS prototype in the scenarios and with the objectives defined in Activity 2 and Activity 3.
- The analysis will see the involvement of the operators, and will lead to the draft of the recommendation report.
- The activity 6.1 has the target to verify if the system “works” as specified in WP 2, activity 6.2 has the target to verify (with stakeholders and operators) if the RIS is suitable and is fitting with the context

Expected Results

General

- Functional integration and validation of the RIS system

Sub Act 6.1 Acceptance Tests

- Certified system functionality

Sub Act 6.2 System Validation:

- RIS impact evaluation report

Studies for the Development of the RIS Operability along the Northern Italy Waterway System

Thank you
for your attention